

ABSTRACT OF THE DISCLOSURE

Disclosed herein is an improved logic module used for logic emulation along with an enhanced logic emulation board subject to logic verification. The logic module has a plurality of programmable LSIs capable of programming logic and a plurality of switching LSIs capable of programming connections, the LSIs being mounted on one or both sides of a board. Peripheral portions of the board carry connectors for electrical connection to the outside. There are two types of data lines: those directly coupling the connectors to the programmable LSIs, and those linking the connectors to the programmable LSIs via the switching LSIs. The programmable and switching LSIs constitute a crossbar connection arrangement. The logic emulation board has connectors for connection to a logic emulation module, and lands for supporting LSIs targeted for development. Pins of the connectors and the lands are interconnected on a one-to-one basis. Also disclosed here is an upgraded module structure permitting a multiple-stage module setup together with an advanced cooling structure for modules.